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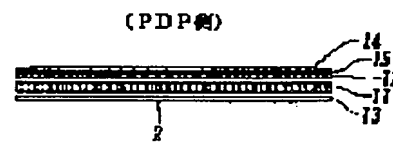
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## (54) OPTICAL FILTER DEVICE

## (57)Abstract:

PROBLEM TO BE SOLVED: To reflect external light, correct emitting color, prevent releasing of line spectrum in a near infrared region and prevent leakage of electromagnetic wave, by providing a device in the front of a PDP(plasma display panel).

SOLUTION: A filter 2 is provided in the front of a PDP. In the filter, selective absorbing pigment is mixed in synthetic resin, a filter base 11 is formed, a red component of emitting color of the PDP is absorbed, blue color is prevented from being viewed to a side of purple, a silver spatter film 12 spattering silver and inorganic oxide is viscously mounted in a PET film or the like, leakage of an electromagnetic wave from the PDP is interrupted, and releasing of line spectrum in a near infrared region is prevented. In the silver spatter film, an earth electrode 15 is provided in a peripheral edge part, and, with this part, a metal fitting is brought into contact, to be connected to the earth through the metal fitting, and voltage induced by the electromagnetic wave is earthed. An AR filter 13 for preventing reflection of external light is an AN film 14 for preventing generation of a Newton ring in the case of close contact to the PDP of the filter 2.



## LEGAL STATUS

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